## Akaze

Find an image inside another image.

```
[(ns wandering-moss
    (:require
        [opencv3.core :refer :all]
        [opencv3.utils :as u])
    (:import
        [org.opencv.features2d Features2d DescriptorExtractor DescriptorMatcher
FeatureDetector]))

(def detector (FeatureDetector/create FeatureDetector/AKAZE))
(def extractor (DescriptorExtractor/create DescriptorExtractor/AKAZE))

#'wandering-moss/extractor

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```

```
(def original (-> "resources/images/cat.jpg" imread (u/resize-by 0.3)))
(def mat1 (clone original))
(def points1 (new-matofkeypoint))
(.detect detector mat1 points1)

(def show-keypoints1 (new-mat))
(Features2d/drawKeypoints mat1 points1 show-keypoints1 (new-scalar 255 0 0) 0)
(u/mat-view show-keypoints1)
```



```
(def desc1 (new-mat))
(.compute extractor mat1 points1 desc1)
(u/mat-view desc1)
```

```
(def mat2 (-> "resources/images/cat_face.jpg" imread (u/resize-by 0.3)))
(def points2 (new-matofkeypoint))
(.detect detector mat2 points2)

(def show-keypoints2 (new-mat))
(Features2d/drawKeypoints mat2 points2 show-keypoints2 (new-scalar 255 0 0) 0)
(u/mat-view show-keypoints2)

(def desc2 (new-mat))
(.compute extractor mat2 points2 desc2)
```